

304

JOURNAL OF SOUTH AFRICAN BOTANY

VOLUME 48

1982

*Published under the authority
of the*
**Trustees
of the
National Botanic Gardens
of
South Africa,
Kirstenbosch,
Claremont.**

Editor-in-Chief:

Prof. H. B. Rycroft

(Director, National Botanic Gardens of South Africa
Harold Pearson Professor of Botany, University of Cape Town).

Editorial Committee:

Miss L. L. Bosman

Mr. P. J. Grobler

Dr. J. P. Rourke

Dr. B. de Winter (Botanical Research Institute Representative)

(*Dr. D. J. B. Killick: Alternate*)

Prof. N. Grobbelaar (South African Association of Botanists Representative)

Publication dates:

48(1): 1-167 [4th January, 1982]

48(2): 169-283 [1st April, 1982]

48(3): 285-432 [1st July, 1982]

48(4): 433-548 [1st October, 1982]

JOURNAL OF SOUTH AFRICAN BOTANY

VOLUME 48

1982

CONTENTS

	Page
THE INFLUENCE OF A FIRE IN APRIL ON THE RE- PRODUCTION OF THREE SPECIES OF THE PROTEACEAE. P. G. Jordaan	1
SINEOPERCULUM VAN JAARSVELD: 'N NUWE MONOTIPIESE GENUS IN DIE FAMILIE MESEM- BRYANTHEMACEAE. E. J. van Jaarsveld	5
NOTES ON ORCHIDS FROM SOUTH CENTRAL AFRICA. G. Williamson	11
CHROMOSOME NUMBERS OF SOUTHERN AFRI- CAN PLANTS: 1. J. J. Spies and C. H. Stirton	21
DIE BOU EN ONTWIKKELING VAN DIE UNIFA- SIALE BLAAR VAN TRITONIA EN VERWANTE GENERA. M. P. de Vos	23
SYSTEMATICS OF FREESIA (KLATT) IRIDACEAE. P. Goldblatt	39
NOTES ON HAEMANTHUS L.: THE IDENTITY OF HAEMANTHUS AMARYLLOIDES JACQ. D. A. Snij- man	93
THE AFRICAN GENUS TRITONIA KER GAWLER: PART 1. M. P. de Vos	105
BOOK REVIEWS: <i>Mosses of South Australia</i> , by D. G. Catcheside (R. E. Magill). <i>Journal of Garden His- tory</i> , volume 1 part 1 (J. P. Rourke). <i>Index Holmien- sis, Dicotyledonae C</i> , volume V (J. P. Rourke)	165
STUDIES IN THE GENERA OF THE DIOSMEEAE (RUTACEAE): 13. A REVISION OF THE GENUS ACMADENIA BARTL. & WENDL. I. Williams	169
NOTES ON TULBAGHIA L.: 4. A SPONTANEOUS HYBRID FROM THE EASTERN CAPE. C. G. Vosa	241
EFFECTS OF SHADING ON NURSERY GROWN ACACIA SEEDLINGS. S. J. Milton	245
CHROMOSOME NUMBERS OF SOUTHERN AFRI- CAN PLANTS: 2. B. Nordenstam	273
CHROMOSOME STUDIES IN THE SOUTHERN AFRICAN FLORA: 29. B. Nordenstam	277
NITELLA EUARTHRA (A.BR.) COMPÈRE (CHARO- PHYTA) REDISCOVERED IN SOUTH AFRICA. P. Compère	279
BOOK REVIEW: <i>The soil resource: origin and behav- iour</i> , by H. Jenny (J. L. Hutson)	283
TWO NEW SPECIES OF SERRURIA SALISB. (PRO- TEACEAE) FROM THE SOUTH WESTERN CAPE. J. P. Rourke	285
THE DIATOMS OF THE JUKSKEI-CROCODILE RIV- ER SYSTEM (TRANSVAAL, REPUBLIC OF	

	Page
SOUTH AFRICA): A PRELIMINARY CHECKLIST. F. R. Schoeman	295
COMPARATIVE ANATOMY OF MATURE <i>THEMEDA TRIANDRA</i> FORSK. LEAF BLADES: A CORRELATED LIGHT AND ELECTRON MICROSCOPY STUDY. C. E. J. Botha, R. F. Evert, R. H. M. Cross and D. J. Marshall	311
STUDIES IN THE GENERA OF THE <i>DIOSMEAE</i> (RUTACEAE): 14. A REVIEW OF THE GENUS <i>DIOSMA</i> L. I. Williams	329
CHROMOSOME STUDIES IN THE SOUTHERN AFRICAN FLORA: 30-37. C. G. Vosa	409
<i>ALOE DABENORISANA</i> VAN JAARSVELD: A NEW <i>ALOE</i> FROM THE NORTH-WEST CAPE. E. J. van Jaarsveld	419
THE REINSTATEMENT OF <i>TROMOTRICHE</i> (HAW.) STAPELIEAE. L. C. Leach	425
BOOK REVIEWS: <i>The Leguminosae: a source book of characteristics, uses and nodulation</i> , by O. N. Allen and Ethel K. Allen (O.A.M. Lewis). <i>Biology of inorganic nitrogen and sulphur</i> , edited by H. Bothe and A. Trebst (N. Grobbelaar). <i>Physiological processes in plant ecology</i> , by C. B. Osmond (N. Grobbelaar). <i>Index Kewensis Supplement XVI</i> (J. P. Rourke). <i>Plant cell reports</i> , volume 1 No. 1 (J. van Staden). <i>Metabolism and molecular activities of cytokinins</i> , edited by J. Guern and C. Péaud-Lenoël (J. van Staden)	427
'N VOORSTUDIE IN VERBAND MET DIE EETBARE PLANTE VAN DIE KAMIESBERGE. F. M. Archer ...	433
THE APPLICATION OF THE NAME <i>BLECHNUM CAPENSE</i> BURM.F. J. P. Roux	451
DISTRIBUTION AND SPECIES RICHNESS OF TREES IN SOUTHERN AFRICA. R. S. Knight, T. M. Crowe and W. R. Siegfried	455
THE FERN GENUS <i>ELAPHOGLOSSUM</i> SCHOTT (FILICALES) IN SOUTH AFRICA. J. P. Roux	481
A NEW COMBINATION IN <i>LACHNAEA</i> L. (THYMELAEACEAE). P. Bond	527
BOOK REVIEWS: <i>Air pollution and forests; interactions between air contaminants and forest ecosystems</i> , by W. H. Smith (E. R. Ashton). <i>Plant science: an introduction to world crops</i> , edited by J. Janick, R. W. Schery, F. W. Woods and V. W. Ruttan (K. J. Pienaar). <i>Morphologie der Blüten und der Blütenstände</i> , by F. Weberling (H. R. Tölken). <i>Ascomycete systematics: the Luttrellian concept</i> , edited by D. R. Reynolds (A. Eicker). <i>A field guide to the trees of Southern Africa</i> , by E. Palmer (E. J. Moll). <i>The vegetation of Australia</i> , by Noel C. W. Beadle (J. P. Rourke). <i>Australian vegetation</i> , edited by R. H. Groves (E. J. Moll). <i>Zur Feinstruktur, Chemie und taxonomischen Signifikanz epicutularer Wachse und ähnlicher Sekrete</i> , by Wilhelm Barthlott and Eckhard Wollenweber (I. von Teichman). <i>Bromelienstudien 1. Neue und wenig bekannte Arten aus Peru und anderen Ländern</i> , deur Werner	

Rauh (P. D. F. Kok). <i>Infloreszenstudien an Aizoaceae, Mesembryanthemaceen und Tetragoniaceen</i> , by Wilhelm Troll and Focko Weberling (H. R. Tölken). <i>Zur Morphologie und Anatomie der Gattung Belonanthus Graebn. (Valerianaceae)</i> by Dorothea and Focko Weberling (C. Puff). <i>Cell Walls '81</i> , edited by D. G. Robinson and H. Quader (C. E. J. Botha). <i>Plant cell cultures: results and perspectives</i> , edited by F. Sala, B. Parisi, R. Cella and O. Cifferi (C. H. Bornman). <i>Advances in protoplast research</i> , edited by L. Ferecny and G. L. Farkas (C. H. Bornman). <i>Advances in biochemical engineering. Plant cell cultures 1</i> , edited by A. Fiechter (C. H. Bornman). <i>Plant tissue culture as a source of biochemicals</i> , edited by E. J. Staba (C. H. Bornman). <i>Plant tissue culture</i> (C. H. Bornman). <i>Cloning agricultural plants via in vitro techniques</i> , edited by B. V. Conger (C. H. Bornman)	529
INDEX TO PLANT NAMES: VOL. 48 (1-4)	546
Indexed and/or Abstracted in <i>Biological Abstracts</i> , <i>Cambridge Scientific Abstracts Life Sciences Collection</i> , <i>Current Advances in Plant Science</i> , <i>Index to South African Periodicals</i> , <i>International Bibliography of Book Reviews</i> and <i>International Bibliography of Periodical Literature</i>	